

PTO-1449 REPRODUCED

ATTORNEY DOCKET NO.
2984.1000-004

APPLICATION NO.
09/902,461

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

APPLICANT
Yuan-Tsong Chen

JAN 04 2002

December 20, 2001

FILING DATE
July 10, 2001

GROUP
1651

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
AA						
AB						

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
AL					

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Poenaru, L., "Approach to Gene Therapy of Glycogenosis Type II (Pompe Disease), <i>Molecular Genetics and Metabolism</i> , 70(3):163-169 (2000).
AS	Hirschhorn, R., "Glycogen Storage Disease Type II: Acid α -Glucosidase (Acid Maltase) Deficiency", <i>The Metabolic and Molecular Bases of Inherited Disease</i> , (77)11:2443-2464 (1995).
AT	Barton, N.W., et al., "Therapeutic response to intravenous infusions of glucocerebrosidase in a patient with Gaucher disease", <i>Proc. Natl. Acad. Sci</i> , 87:1913-1916 (March 1990).
AU	Lauer, R.M., "Administration of a Mixture of Fungal Glucosidases to a Patient with Type II Glycogenosis (Pompe's Disease)", <i>Pediatrics</i> , 42:672-676 (1968).
AV	Van den Hout., et al., "Enzyme therapy for Pompe disease with recombinant human α -glucosidase from rabbit milk", <i>J. Inherit. Metab. Dis.</i> , 24:266-274 (2001).
AW	Williams, J.C., et al., "Enzyme Replacement in Pompe Disease With an α -Glucosidase-Low Density Lipoprotein Complex*", <i>Birth Defects: Original Article Series</i> , 16(1):415-423 (1980).
AX	Yang, H.W., et al., "Recombinant Human Acid α -Glucosidase Corrects Acid α -Glucosidase-Deficient Human Fibroblasts, Quail Fibroblasts, and Quail Myoblasts", <i>Pediatric Research</i> , 43(3):374-380 (1998).
AY	Amalfitano, A., et al., "Recombinant human acid α -glucosidase enzyme therapy for infantile glycogen storage disease type II: Results of a phase I/II clinical trial", <i>Genetics in Medicine</i> , 3(2):132-138 (2001).
AZ	Ausems, M., et al., "Frequency of glycogen storage disease type II in The Netherlands: implications for diagnosis and genetic counselling", <i>European Journal of Human Genetics</i> , 7:713-716 (1999).
AR2	Bijvoet, A.G.A., et al., "Recombinant human acid α -glucosidase: high level production in mouse milk, biochemical characteristics, correction of enzyme deficiency in GSDII KO mice", <i>Human Molecular Genetics</i> , 7(11):1815-1824 (1998).

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AS2	Bijvoet, A.G.A., et al., "Human acid α -glucosidase from rabbit milk has therapeutic effect in mice with glycogen storage disease type II", <i>Human Molecular Genetics</i> , 8(12):2145-2153 (1999).
AT2	Brooks, D.A., "Immune Response to Enzyme Replacement Therapy in Lysosomal Storage Disorder Patients and Animal Models", <i>Molecular Genetics and Metabolism</i> , 68:268-275 (1999).
AU2	de Barsey, T., et al., "Enzyme Replacement in Pompe Disease: An Attempt with Purified Human Acid α -Glucosidase*", <i>Birth Defects:Original Article Series</i> , 9(2):184-190 (1973).
AV2	Fuller, M., et al., "Isolation and characterisation of a recombinant, precursor form of lysosomal acid α -glucosidase", <i>Eur. J. Biochem</i> , 234:903-909 (1995).
AW2	Hermans, M.M.P., et al., "The effect of a single base pair deletion (Δ T525) and a C1634T missense mutation (pro545leu) on the expression of lysosomal α -glucosidase in patients with glycogen storage disease type II", <i>Human Molecular Genetics</i> , 3(12):2213-2218 (1994).
AX2	Hermans, M.M.P., et al., "The conservative substitution Asp-645 \rightarrow Glu in lysosomal α -glucosidase affects transport and phosphorylation of the enzyme in an adult patient with glycogen-storage disease type II", <i>Biochem. J.</i> , 289:687-693 (1993).
AY2	Hermans, M.M.P., et al., "Identification of a Point Mutation in the Human Lysosomal α -Glucosidase Gene Causing Infantile Glycogenosis Type II", <i>Biochemical and Biophysical Research Communications</i> , 179(2):919-926 (1991).
AZ2	Hoefsloot, L.H., et al., "Characterization of the human lysosomal α -glucosidase gene", <i>Biochem. J.</i> , 272:493-497 (1990).
AR3	Hug, G., et al., "Treatment Related Observations in Solid Tissues, Fibroblast Cultures and Amniotic Fluid Cells of Type II Glycogenosis, Hurler Disease and Metachromatic Leukodystrophy*", <i>Birth Defects: Original Articles Series</i> , 9(2):160-183 (1973).

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U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AS3	Kikuchi, T., et al., "Clinical and Metabolic Correction of Pompe Disease by Enzyme Therapy in Acid Maltase-deficient Quail", <i>J. Clin. Invest.</i> , 101(4):827-833 (1998).
AT3	Martiniuk, F., et al., "Recombinant Human Acid α -Glucosidase Generated in Bacteria: Antigenic, but Enzymatically Inactive", <i>DNA and Cell Biology</i> , 11(9):701-706 (1992).
AU3	Reuser, A.J.J., et al., "Biochemical, Immunological, and Cell Genetic Studies in Glycogenosis Type II", <i>Am J Hum Genet</i> , 30:132-143 (1978).
AV3	Slonim, A.E., et al., "Improvement of muscle function in acid maltase deficiency by high-protein therapy", <i>Neurology</i> , 33:34-38 (1983).
AW3	Van der Ploeg, A.T., et al., "Intravenous Administration of Phosphorylated Acid α -Glucosidase Leads to Uptake of Enzyme in Heart and Skeletal Muscle of Mice", <i>J. Clin. Invest.</i> , 87:513-518 (1991).
AX3	Wu, J-Y., et al., "Expression of Catalytically Active Human Multifunctional Glycogen-Debranching Enzyme and Lysosomal Acid Alpha-Glucosidase in Insect Cells", <i>Biochemistry and Molecular Biology International</i> , 39(4):755-764 (1996).
AY3	Watson, J.G., et al., "Bone Marrow Transplantation for Glycogen Storage Disease Type II (Pompe's Disease)", <i>N. Engl. J. Med.</i> , 314:385 ((1986).
AZ3	Martiniuk, F., et al., "Carrier Frequency for Glycogen Storage Disease Type II in New York and Estimates of Affected Individuals Born With the Disease", <i>American Journal of Medical Genetics</i> , 76:69-72 (1998).
AR4	Schiffmann, R., et al., "Infusion of α -galactosidase A reduces tissue globotriaosylceramide storage in patients with Fabry disease", <i>Proc. Natl. Acad. Sci.</i> , 97(1):365-370 (2000).
AS4	Van Hove, J.L.K, et al., "High-level production of recombinant human lysosomal acid α -glucosidase in Chinese hamster ovary cells which targets to heart muscle and corrects glycogen accumulation in fibroblasts from patients with Pompe disease", <i>Proc. Natl. Acad. Sci.</i> , 93:65-70 (1996).

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5/3/02

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FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AT4	Lei, K.J., et al., "Genetic Basis of Glycogen Storage Disease Type 1a: Prevalent Mutations at the Glucose-6-Phosphatase Locus", Am. J. Hum. Gen., 57(4):766-771 (1995).
AU4	Pauly, D.F., et al., "Complete correction of acid α -glucosidase deficiency in Pompe disease fibroblasts in vitro, and lysosomally targeted expression in neonatal rat cardiac and skeletal muscle", Gene Therapy, 5(4):473-480 (1998).
AV4	Chen, Y-T, et al., "Towards a molecular therapy for glycogen storage disease type II (Pompe disease)", Mol. Medicine Today, 6(6):245-251 (2000).
AW4	Kakkis, E., et al., "Recombinant α -L-iduronidase replacement therapy in mucopolysaccharidosis 1: Results of a human clinical trial", Am. J. Hum. Genet., 63(4):A25 (1998).

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January 8, 2001

(Use several sheets if necessary)

APPLICANT
Yuan-Tsong ChenFILING DATE
July 10, 2001GROUP
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U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
MM	AA	6,118,045	9/12/00	Reuser, et al.	800	14	
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	AN						
	AO						
	AP						
	AQ						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

MM	AX4	Byrne, B.J., et al., "Reconstitution of Acid α -glucosidase activity in a mouse model of cardioskeleton myopathy, Pompe's Disease", Circulation, Vol. 98(17):1737 (1998).

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